

Amendments to the Claims:

1. (Original) An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 95% identical to a sequence selected from the group consisting of:

(a) a polynucleotide fragment of SEQ ID NO:X or a polynucleotide fragment of the cDNA sequence included in ATCC Deposit No:Z, which is hybridizable to SEQ ID NO:X;

(b) a polynucleotide encoding a polypeptide fragment of SEQ ID NO:Y or a polypeptide fragment encoded by the cDNA sequence included in ATCC Deposit No:Z, which is hybridizable to SEQ ID NO:X;

(c) a polynucleotide encoding a polypeptide domain of SEQ ID NO:Y or a polypeptide domain encoded by the cDNA sequence included in ATCC Deposit No:Z, which is hybridizable to SEQ ID NO:X;

(d) a polynucleotide encoding a polypeptide epitope of SEQ ID NO:Y or a polypeptide epitope encoded by the cDNA sequence included in ATCC Deposit No:Z, which is hybridizable to SEQ ID NO:X;

(e) a polynucleotide encoding a polypeptide of SEQ ID NO:Y or the cDNA sequence included in ATCC Deposit No:Z, which is hybridizable to SEQ ID NO:X, having biological activity;

(f) a polynucleotide which is a variant of SEQ ID NO:X;

(g) a polynucleotide which is an allelic variant of SEQ ID NO:X;

(h) a polynucleotide which encodes a species homologue of the SEQ ID NO:Y;

(i) a polynucleotide capable of hybridizing under stringent conditions to any one of the polynucleotides specified in (a)-(h), wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence of only A residues or of only T residues.

2. (Original) The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding a secreted protein.

3-10. (Canceled)

11. (Original) An isolated polypeptide comprising an amino acid sequence at least 95% identical to a sequence selected from the group consisting of:

- (a) a polypeptide fragment of SEQ ID NO:Y or the encoded sequence included in ATCC Deposit No:Z;
- (b) a polypeptide fragment of SEQ ID NO:Y or the encoded sequence included in ATCC Deposit No:Z, having biological activity;
- (c) a polypeptide domain of SEQ ID NO:Y or the encoded sequence included in ATCC Deposit No:Z;
- (d) a polypeptide epitope of SEQ ID NO:Y or the encoded sequence included in ATCC Deposit No:Z;
- (e) a secreted form of SEQ ID NO:Y or the encoded sequence included in ATCC Deposit No:Z;
- (f) a full length protein of SEQ ID NO:Y or the encoded sequence included in ATCC Deposit No:Z;
- (g) a variant of SEQ ID NO:Y;
- (h) an allelic variant of SEQ ID NO:Y; or
- (i) a species homologue of the SEQ ID NO:Y.

12. (Original) The isolated polypeptide of claim 11, wherein the secreted form or the full length protein comprises sequential amino acid deletions from either the C-terminus or the N-terminus.

13. (Original) An isolated antibody that binds specifically to the isolated polypeptide of claim 11.

14. (Original) A recombinant host cell that expresses the isolated polypeptide of claim 11.

15. (Original) A method of making an isolated polypeptide comprising:

- (a) culturing the recombinant host cell of claim 14 under conditions such that said polypeptide is expressed; and
- (b) recovering said polypeptide.

16. (Original) The polypeptide produced by claim 15.

17-18. (Canceled)

19. (Original) A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or amount of expression of the polypeptide of claim 11 in a biological sample; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.

20. (Original) A method for identifying a binding partner to the polypeptide of claim 11 comprising:

(a) contacting the polypeptide of claim 11 with a binding partner; and

(b) determining whether the binding partner effects an activity of the polypeptide.

21. (Canceled)

22. (Original) A method of identifying an activity in a biological assay, wherein the method comprises:

(a) expressing SEQ ID NO:X in a cell;

(b) isolating the supernatant;

(c) detecting an activity in a biological assay; and

(d) identifying the protein in the supernatant having the activity.

23. (Canceled)

24. (New) An isolated protein comprising amino acid residues 22 to 834 of SEQ ID NO:48.

25. (New) The isolated protein of claim 24 which comprises amino acid residues 2 to 834 of SEQ ID NO:48.

26. (New) The isolated protein of claim 24 which comprises amino acid residues 1 to 834 of SEQ ID NO:48.

27. (New) The protein of claim 24 which further comprises a polypeptide sequence heterologous to SEQ ID NO:48.

28. (New) A composition comprising the protein of claim 24 and an acceptable carrier.

29. (New) An isolated protein produced by the method comprising:

- (a) expressing the protein of claim 24 by a cell; and
- (b) recovering said protein.

30. (New) An isolated protein comprising the amino acid sequence of the secreted portion of the polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163.

31. (New) The isolated protein of claim 30 which comprises the amino acid sequence of the complete polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163, excepting the N-terminal methionine.

32. (New) The isolated protein of claim 30 which comprises the amino acid sequence of the complete polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163.

33. (New) The protein of claim 30 which further comprises a polypeptide sequence heterologous to SEQ ID NO:48.

34. (New) A composition comprising the protein of claim 30 and an acceptable carrier.

35. (New) An isolated protein produced by the method comprising:

- (a) expressing the protein of claim 30 by a cell; and
- (b) recovering said protein.

36. (New) An isolated first polypeptide at least 90% identical to a second polypeptide consisting of amino acid residues 1 to 834 of SEQ ID NO:48.
37. (New) The isolated polypeptide of claim 36, wherein said first polypeptide is at least 95% identical to said second polypeptide.
38. (New) The polypeptide of claim 36 which comprises a heterologous polypeptide sequence.
39. (New) A composition comprising the polypeptide of claim 36 and an acceptable carrier.
40. (New) An isolated protein produced by the method comprising:
- (a) expressing the polypeptide of claim 36 by a cell; and
 - (b) recovering said protein.
41. (New) An isolated first polypeptide at least 90% identical to a second polypeptide consisting of the complete polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163.
42. (New) The isolated polypeptide of claim 41, wherein said first polypeptide is at least 95% identical to said second polypeptide.
43. (New) The polypeptide of claim 41 which further comprises a polypeptide sequence heterologous to the complete polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163.
44. (New) A composition comprising the polypeptide of claim 41 and an acceptable carrier.
45. (New) An isolated protein produced by the method comprising:
- (a) expressing the polypeptide of claim 41 by a cell; and
 - (b) recovering said protein.

46. (New) An isolated protein consisting of at least 30 contiguous amino acid residues of amino acid residues 1 to 834 of SEQ ID NO:48.
47. (New) The isolated protein of claim 46 which consists of at least 50 contiguous amino acid residues of amino acid residues 1 to 834 of SEQ ID NO:48.
48. (New) The protein of claim 46 which further comprises a polypeptide sequence heterologous to SEQ ID NO:48.
49. (New) A composition comprising the protein of claim 46 and an acceptable carrier.
50. (New) An isolated protein produced by the method comprising:
- (a) expressing the protein of claim 46 by a cell; and
 - (b) recovering said protein.
51. (New) An isolated protein consisting of at least 30 contiguous amino acid residues of the complete polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163.
52. (New) The isolated protein of claim 51 which consists of at least 50 contiguous amino acid residues of the complete polypeptide encoded by the HKAOV90 cDNA contained in ATCC Deposit No. PTA-163.
53. (New) The protein of claim 51 which further comprises a polypeptide sequence heterologous to SEQ ID NO:48.
54. (New) A composition comprising the protein of claim 51 and an acceptable carrier.
55. (New) An isolated protein produced by the method comprising:
- (a) expressing the protein of claim 51 by a cell; and
 - (a) recovering said protein.